Date Searched: 6/17/2004
Databases Searched: USPAT, USPGPUB
Plurals: ON
Terms Searched:
L1   ((((driver or buffer or repeater) same (((surround$3 or around or encircl$3 or circl$3 or circular $2) or (veritcal$3 same horizontal$3)) same ((peripher$3 or boundary or edge) same chip)
)
) and ((driver or buffer or repeater) same (driv$3 or output$4) same (display or crt or monitor)
)) and (257/59,72.ccls. or 326/561.ccls. or 345/$.ccls. or 348/$.ccls. or 349/$.ccls.
or 716/$.ccls.
) and @pd>20040326
Results: 2 hits
L2   ((chip or on-chip) same ((driver or buffer or repeater) same (memory or ram or register or rom or eprom or storage or sram or sdram)) same ((driver or buffer or repeater) same (anode or cathode))) and (257/59,72.ccls. or 326/561.ccls. or 345/$.ccls. or 348/$.ccls. or 349/$.ccls.
or 716/$.ccls.) and @pd>20040326
Results: 4 hits

Date Searched: 3/6/2004
Databases Searched: USPAT, USPGPUB
Plurals: ON
Terms Searched:
L1   ((((driver or buffer or repeater) same (((surround$3 or around or encircl$3 or circl$3 or circular $2) or (veritcal$3 same horizontal$3)) same ((peripher$3 or boundary or edge) same chip)
)
) and ((driver or buffer or repeater) same (driv$3 or output$4) same (display or crt or monitor)
)) and (257/59,72.ccls. or 326/561.ccls. or 345/$.ccls. or 348/$.ccls. or 349/$.ccls.
or 716/$.ccls.
) and @pd>20040114
Results: 1 hit
L2   ((chip or on-chip) same ((driver or buffer or repeater) same (memory or ram or register or rom or eprom or storage or sram or sdram)) same ((driver or buffer or repeater) same (anode or cathode))) and (257/59,72.ccls. or 326/561.ccls. or 345/$.ccls. or 348/$.ccls. or 349/$.ccls.
or 716/$.ccls.) and @pd>20040114
Results: 0 hit

Date Searched: 1/14/2004
Databases Searched: USPAT, USPGPUB
Plurals: ON
Terms Searched:
L1   (peripher$3 or boundary or edge) same chip
L2   ((surround$3 or around or encircl$3 or circl$3 or circular$2) or (veritcal$3 same horizontal$3)) same 1
L3   (driver or buffer or repeater) same 2
L4   (driver or buffer or repeater) same (driv$3 or output$4) same (display or crt or monitor)
L5   3 and 4
Results: 157 hits
L6   257/59,72.ccls. or 326/561.ccls. or 345/$.ccls. or 348/$.ccls. or 349/$.ccls.
or 716/$.ccls.
L7   5 and 6
Results: 37 hits
L8   ((chip or on-chip) same ((driver or buffer or repeater) same (memory or ram or register or rom or eprom or storage or sram or sdram)) same ((driver or buffer or repeater) same (anode or cathode))) and (257/59,72.ccls. or 326/561.ccls. or 345/$.ccls. or 348/$.ccls. or 349/$.ccls.
or 716/$.ccls.) and @pd>20030723

Results: 1 hit

US 5754171 A	USPAT Stoller, Ray A.	345/205
US 6550047 B1	USPAT Becker, Scott T.	716/8
US 5699073 A	USPAT Lebby, Michael S. et al.	345/82
US 5680191 A	USPAT Voisin, Paul A. et al.	349/150

Date Searched: 7/23/2003
Databases Searched: USPAT, USPGPUB
Plurals: ON
Terms Searched:
L1   (driver or buffer or repeater) same (memory or ram or register or rom or eprom or storage or sram or sdram)
L2   (driver or buffer or repeater) same (anode or cathode)
L3   1 and 2
Results: 3704
L4   (chip or on-chip) same 1 same 2
Results: 101
L5   257/59,72.ccls. or 326/561.ccls. or 345/$.ccls. or 348/$.ccls. or 349/$.ccls. or 716/$.ccls.
L6   4 and 5
Results: 49 hits
L7   bit same (group$3 or cluster$3 or partition$3 or set)
L8   7 same (peripher$3 or boundary or edge) same chip
L9   (circl$3 or circular$2 or round$3 or encircl$3) same 7
L10   8 and 9
Results: 5159 hits
L11   5 and 10
Results: 496 hits
L12   (circl$3 or circular$2 or round$3 or encircl$3) same 8
Results: 43 hits
L13   (circl$3 or circular$2 or round$3 or encircl$3) near5 shape
L14   8 and 13 and 5
Results: 5 hits
L15   8 and 716/$.ccls.
Results: 20 hits

US 4833620 A	USPAT Takahashi, Hitoshi	716/4
US 4447881 A	USPAT Brantingham, George L. et al.	716/17
US 6008821 A	USPAT Bright, Arthur Aaron et al.	345/504

Date Searched: 7/21/2003
Databases Searched: USPAT, USPGPUB
Plurals: ON
Terms Searched:
L1   716/$.ccls.
L2   (driver or buffer or repeater) same (memory or ram or register or rom or eprom or storage)
L3   2 same (equal$2 or equidistance or symmetr$6 or center$3 or centeral$2 or "same" or equival$4)
L4   1 and 2
Results: 260 hits
L5   4 and dummy
Results: 11 hits

L6   bit same (driver or buffer or repeater)
L7   4 and 6
Results: 113 hits
L8   716/$.ccls. and (((driver or buffer or repeater) same (memory or ram or register or rom or eprom or storage)) same (identical$2))
L9   8 and 6
Results: 17 hits
L10   9 not 4
Results: 4 hits
L11   (8 or 4) and cathode and anode
Results: 5 hits
L9   (((driver or buffer or repeater) same (memory or ram or register or rom or eprom or storage or sram or sdram or dram)) same (equal$2 or equidistance or symmetr$6 or center$3 or centeral$2 or "same" or equival$4 or middle))
L10   (driver or buffer or repeater) same anode same cathode
L11   257/59,72.ccls. or 326/561.ccls. or 345/$.ccls. or 348/$.ccls. or 349/$.ccls.

L12   9 and 10 and 11
Results: 96 hits

US 6256604 B1	USPAT	Yabe, Tomoaki et al.	703/14
US 6304241 B1	USPAT	Udo, Shinya et al.	345/96
US 4214269 A	USPAT	Parker, Edward J. et al.	348/442
US 5757654 A	USPAT	Appel, William Dale	716/1
US 5488583 A	USPAT	Ong, Adrian E. et al.	365/201
US 6470475 B2	USPAT	Dubey, Prashant 716/1	

Databases Searched: EPO, JPO, IBM TDB, Derwent
Plurals: ON
Terms Searched:
L1   (((driver or buffer or repeater) same (memory or ram or register or rom or eprom or storage)) same (equal$2 or equidistance or symmetr$6 or center$3 or centeral$2 or "same" or equival$4 or identical $2))
L2   bit same (driver or buffer or repeater)
L3   1 and 2
Results: 2750 hits
L4   g06f017/50.ipc. and 3
Results: 0 hit
L5   g11b$.ipc. and 3
Results: 46 hits
L6   (((driver or buffer or repeater) same (memory or ram or register or rom or eprom or storage)) same (center$3 or centeral$2 or middle))
L7   6 and chip
Results: 85 hits
L8   3 and cathode and anode
Results: 6 hits
L9   ((bit same (group$3 or cluster$3 or partition$3 or set)) same (peripher$3 or boundary or edge) same chip
)
Results: 207 hits
L10   9 and anode and cathode
Results: 1 hit
L11   ((bit near5 (group$3 or cluster$3 or partition$3 or set)) same (peripher$3 or boundary or edge)

same chip
)
Results: 68 hits

JP 10256512 A		JPO	KAJITANI, KAZUHIKO et al.
JP 07211075 A		JPO	AKIYAMA, NOBORU et al.
JP 02183558 A		JPO	HIROKI, MASANORI
JP 02078268 A	A, ZZ	JPO	KUBODERA, MASAAKI et al.
JP 02005292 A		JPO	OHATA, KENICHI et al.
JP 63209141 A		JPO	URASAKI, TADAAKI
JP 63027055 A		JPO	NAKAJIMA, CHIEKO
WO 9858410 A1		EPO	KITSUKAWA, GORO et al.
JP 11154708 A		JPO	SERA, YOSHIAKI
JP 11068059 A		JPO	FUJISAWA, HIROKI
JP 11054726 A		JPO	SUZUKI, TSUYUKI et al.
JP 04144276 A		JPO	KIKUTA, SHIGERU et al.
NN8706330		IBM_TDB	
JP 11086531 A		DERWENT	
EP 433087 A2	A2, A3	EPO	COLLINS, WILLIAM DAVID et al.
NB8909290		IBM_TDB	

Database Searched: IEE/IEEE Xplore
Terms Searched: (driver or buffer or repeater) and (memory or ram or register or rom or eprom or storage) and (equal* or equidistance or symmetr* or center* or centeral* or "same" or equival* or middle or identical*) and bit
Results: Your search matched 117 of 950522 documents.
Terms Searched: (driver or buffer or repeater) and (memory or ram or register or rom or eprom or storage) and (equal* or equidistance or symmetr* or center* or centeral* or "same" or equival* or middle or identical*) and bit and chip
Results: Your search matched 38 of 950522 documents.
Terms Searched: (driver or buffer or repeater) and (memory or ram or register or rom or eprom or storage) and (equal* or equidistance or symmetr* or center* or centeral* or "same" or equival* or middle or identical*) and bit and anode and cathode
Results: Your search matched [0] of [950522] documents.
Terms Searched: ((bit <near/5> (group* or cluster* or partition* or set)) and (peripher* or boundary or edge) and chip
)
Results: Your search matched 5 of 955082 documents.
Terms Searched: (driver or buffer or repeater) and (memory or ram or register or rom or eprom or storage or dram or sram or sdram) and (anode or cathode)
Results: Your search matched 3 of 955082 documents.